



Waste Programs Division

Ana Vargas, WPD Deputy Director

2018 Gatekeeper Regulatory Roundup

March 22, 2018





Waste Programs Division

MISSION

Our Mission

To protect and enhance public health and the environment by reducing the risk associated with waste management, contaminated sites and regulated substances.



Contaminated Sites Closed Metric

WQARF – FY17

Focused on removing sites from the Registry – particularly sites where applying an alternative remedial technology can accelerate an existing remedy, shaving many years off the time needed to attain cleanup goals, which achieves tremendous cost savings.

- Delisted **3 WQARF sites** from Registry.
- Chose **4 sites** with existing remedies to accelerate cleanups.

WQARF – FY18

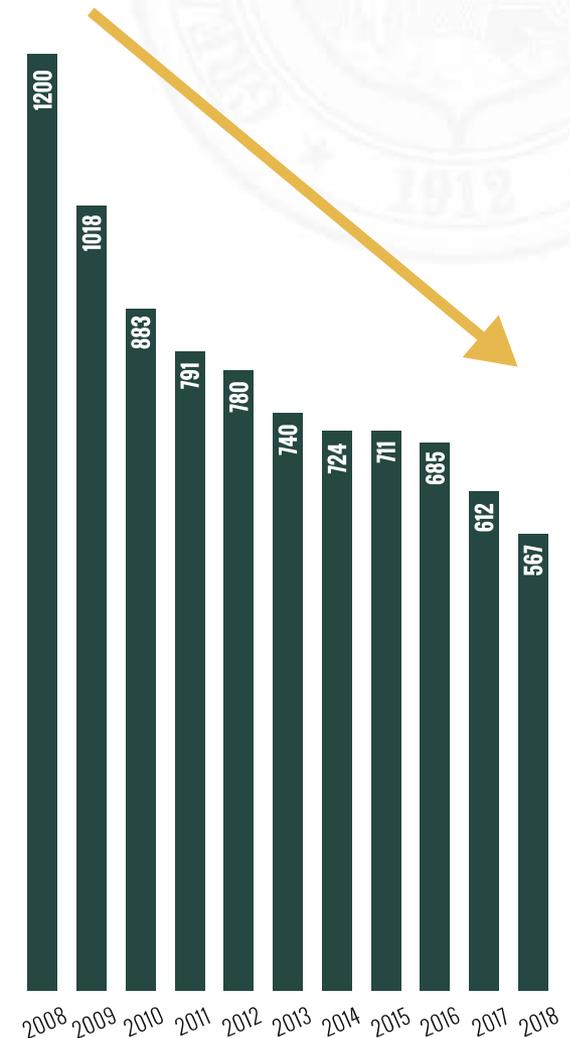
- Anticipate delisting **2 more sites**.
- Ongoing remedy accelerations on **4 sites and 2 new sites** being evaluated.

Metric: Contaminated Sites Closed (Cont'd)

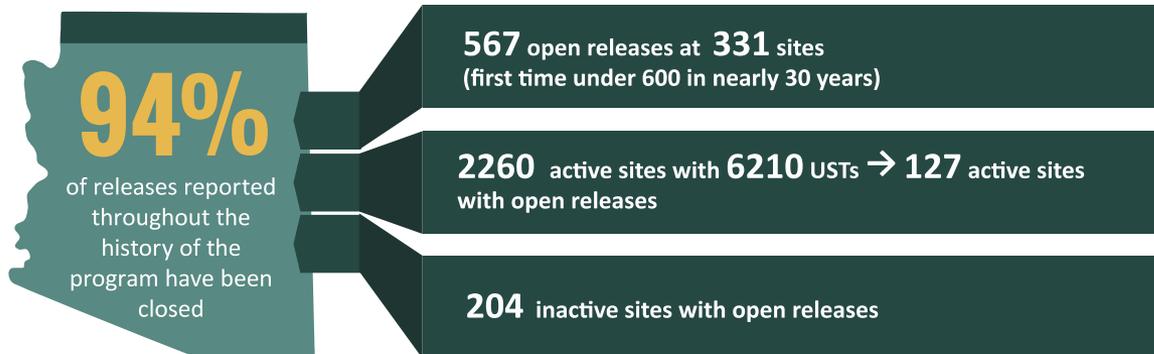
UST-LUST – FY17 & FY18

- Closed **94%** of all releases reported.
- Focused on closing new releases within **3 years** of release confirmation.
- **Risk-Based Closures** – process that determines the contamination left on-site does not pose a risk to human health or environment.

Net Open Releases Decreasing by Fiscal Year



Current State View & Program Status



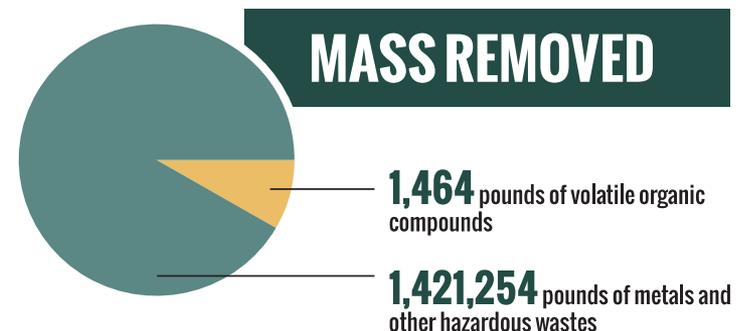
WQARF – FY17

Focused on implementing Early Response Actions (ERAs), particularly at newly listed sites, as early as possible – the sooner source control measures are started, the shorter the time needed to complete the remedy, which protects our communities and environment, and saves money.

- 4 new sites added to the Registry.
- Implemented 6 new ERAs (total of 10 ongoing ERAs).
- Completed 58 Preliminary Investigations (PIs).

WQARF – FY18

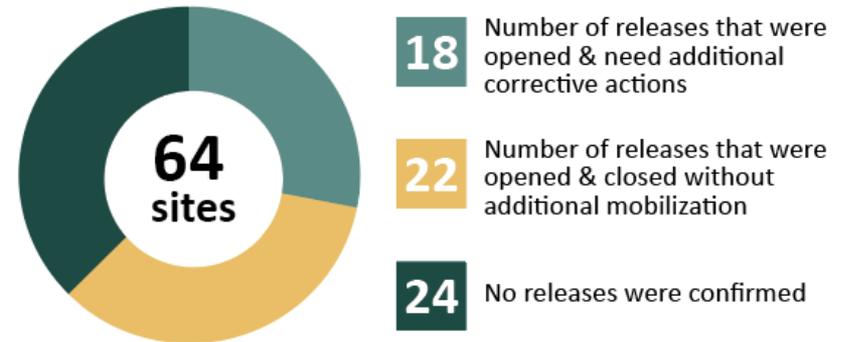
- 1 site added to Registry.
- 2 ERAs implemented on new sites **(1 remedy completed in less than 180 days).**
- Original PI list resolved, all sites either NFIA, listed or being monitored.
- 19 new PIs.



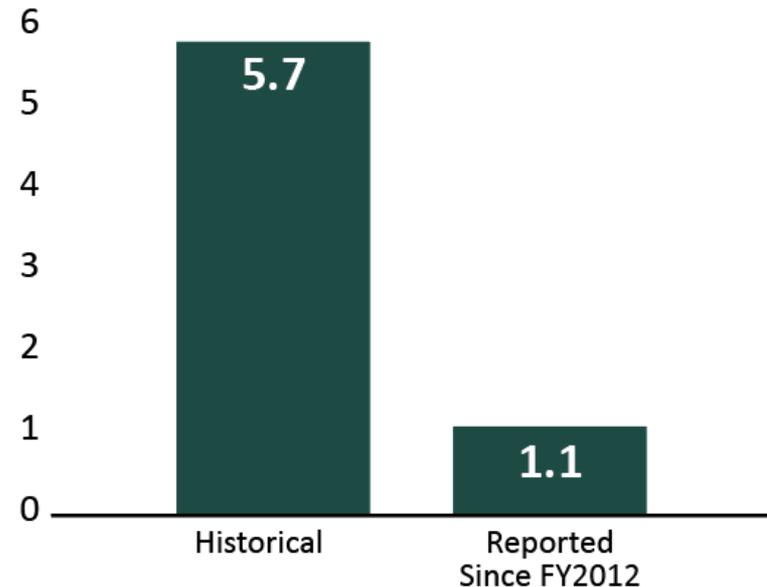
UST-LUST FY17 & FY18

- Focused on initiating remediation within **1 year** of release confirmation.
- Investigation of pre-existing releases during tank closure events when feasible.
- **1 Mobilization** - Over-excavation of contaminated soil encountered during tank closure events and collection of additional samples.

Results of State Lead Noncorrective Action UST Removals



Time to LUST Closure (years)



Rulemaking Updates: HW Reauthorization

**2017
OCTOBER**



Comments opened on October 5, 2017. No adverse comments were received.

**2017
DECEMBER**



Final authorization was published in the Federal Register on December 21, 2017.

**2018
JANUARY**



The final authorization became effective January 22, 2018.

Arizona applied to EPA for final authorization of changes corresponding to certain federal hazardous waste rules promulgated between May 26, 1998, and July 28, 2006 to its hazardous waste program under the Resource Conservation and Recovery Act (RCRA).

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 271

[EPA-R09-RCRA-2017-0523; FRL-9972-09-Region 9]

Arizona: Authorization of State Hazardous Waste Management Program Revisions

AGENCY: Environmental Protection Agency (EPA).

ACTION: Final rule.

- Incorporate federal regulations in effect as of July 1, 2017, as well as the second part of e-Manifest regulation that was approved on January 3, 2018.

- ✓ Generator Improvement Rules

- ▶ Increases & decreases stringency



- ✓ e-Manifest

- ▶ Increases stringency

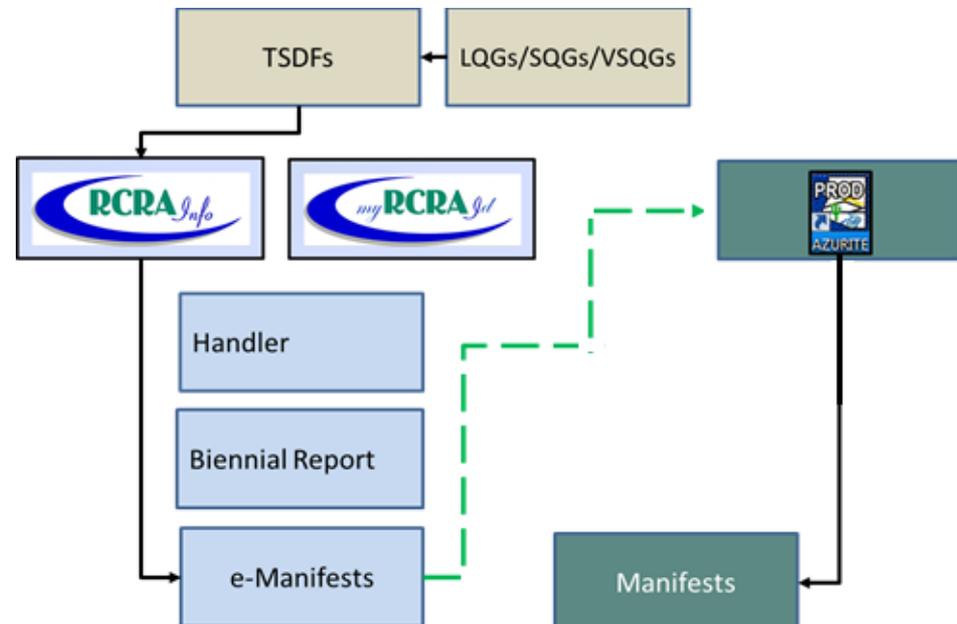
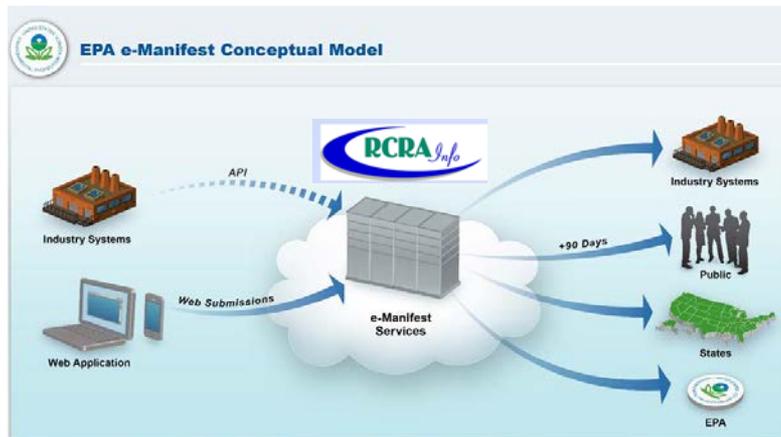


ADEQ is required under state and federal law to update Arizona's Hazardous Waste rules to match federal hazardous waste regulations.

Hazardous Waste – e-Manifest

The Electronic Hazardous Waste Manifest System (e-Manifest) is a new system that allows:

- ✓ Hazardous Waste Handlers submit Hazardous Waste Manifest Forms, either electronically or on paper, to EPA.
- ✓ States/Regions to retrieve the collected manifest data electronically.
- ✓ Launch date – June 2018.



e-Manifests Reporting Changes

- Designated receiving facilities submit the manifest for all
 - TSDFs and RRFs
 - To submit electronically each facility must register for E-manifest
 - Registration is similar to registering for myDEQ and myRCRAId
- States may not collect designated receiving facility copies
- User Fee rule
 - Sets fee for users
 - Schedule became final on January 3, 2018
 - Fees may range anywhere from \$4/manifest (electronic) to \$20/manifest (paper)

\$4



\$20



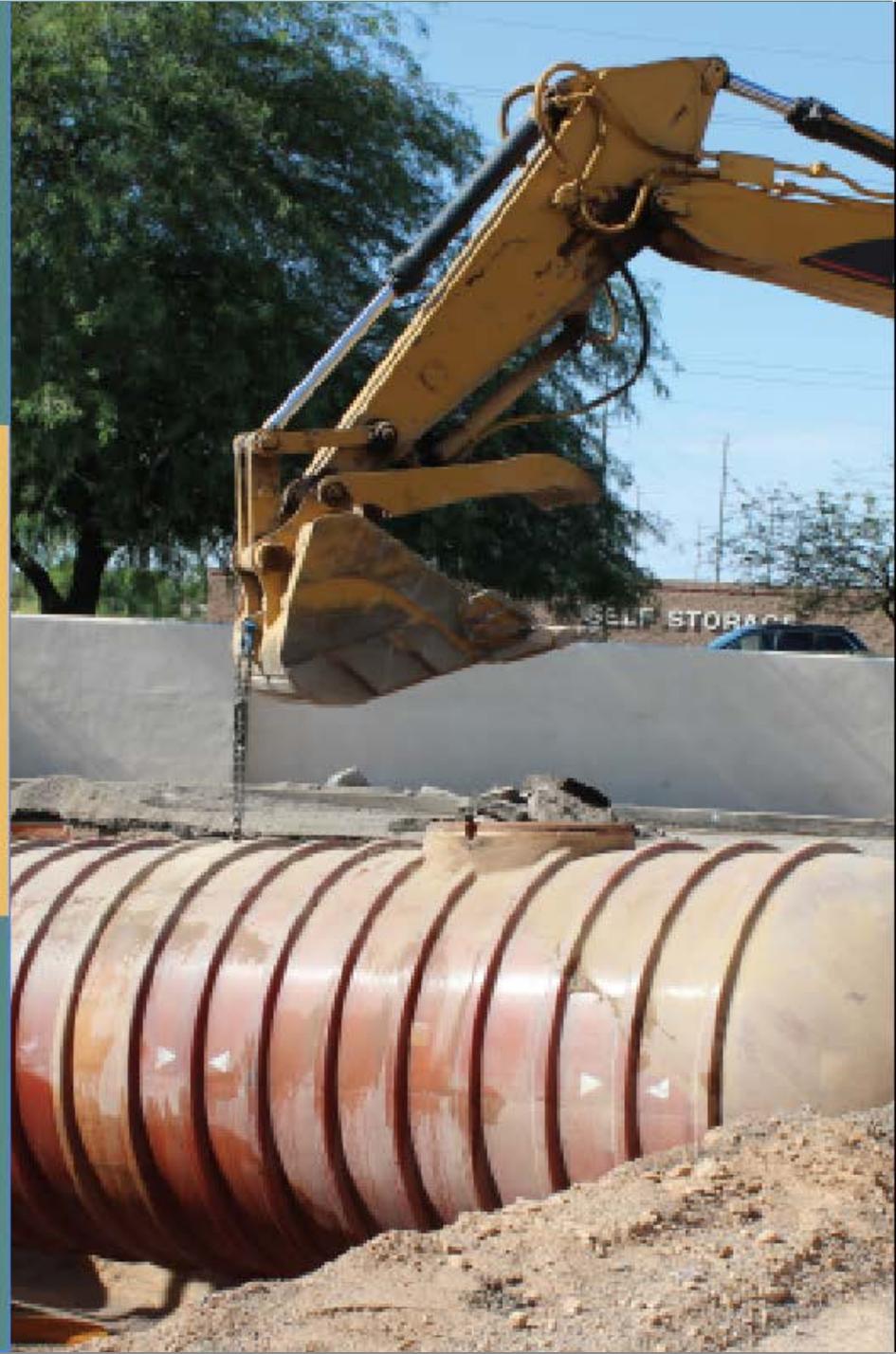
Rulemaking Updates: UST Rules

- Updating UST rules to match recently updated federal regulations and avoid the confusion and uncertainty that is resulting from having different federal and state rules both applicable at the same time.
- Will bring consistency with federal regulations.
- Increases emphasis on leak detection and leak prevention.

Stakeholder Meetings

Please check our website at:

<http://www.azdeq.gov/programs/UST>



ANA VARGAS

Waste Programs Deputy Division Director
Arizona Department of Environmental
Quality
1101 W. Washington Street
Phoenix, AZ 85007

Phone: 602.771.4178
aiv@azdeq.gov

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- Ana I. Vargas is the Deputy Director for the Waste Programs Division at the Arizona Department of Environmental Quality (ADEQ). She is a chemical engineer and has worked for the agency for almost 30 years.
- Ana has extensive experience and knowledge in managing complex soil and groundwater contamination sites along with experience in environmental state and federal statutes, regulations, policies and their interpretations. Ana is an effective practitioner of Lean management at the agency and has a passion for continuous improvement.
- Ana received her B.S in Chemical Engineering from the University of Puerto Rico in 1985. Prior to working for ADEQ, Ana was responsible for the development of qualification standards and related training material for senior Naval reactor plant operators in the U.S. Navy Nuclear Propulsion Program. Ana is fluent in both English and Spanish and has also served as a translator between ADEQ and Phoenix Hispanic communities on environmental issues, when needed